BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 10000000.00

Name of Work: Detailed Estimate for the work of Providing Chain Link Fencing to Parks at Judicial Layout in ward No-04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in **ordinary soil for leveling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) /2.3.1 Page No 5 Item no 2.1 SR 2016-17	cum							
	for levelling and lowering		1	55.00	18.00	0.30	297.00		
			1	20.00	25.00	0.30	150.00		
	removal of debris		1	15.00	10.00	0.40	60.00		
			1	20.00	15.00	0.40	120.00		
	desilting of drains		1	150.00	0.60	0.60	54.00		
							681.00	**166.42**	**113332.00**
	Basic Rate	157.00							
	Area Weightage @ 6%	9.42							
	Total	**166.42**							
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	cum							
	for CLF at Judicial layout near Ambra palic Clinic		2	60.00	0.90	1.00	108.00		
			2	18.00	0.90	1.00	32.40		
			2	20.00	0.90	1.00	36.00		
			2	18.00	0.90	1.00	32.40		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	beyond BBMP office yelahanka new town (inbetween 6B main and 7B main road Basavalingappa park)		1	235.00	0.90	1.00	211.50		
			1	50.00	0.90	1.00	45.00		
							465.30	**200.34**	**93218.00**
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	**200.34**							
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							98180
			Vide Item No. 1+2				**1146.30**	**85.65**	**98178.00**
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 4	12.80							
		80.80							
	Area Weightage @ 6%	4.85							
	Total	**85.65**							
4	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix **1:3:6 withOPC** cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2016-17	**Cum**							
	for CLF at Judicial layout near Ambra palic Clinic		2	60.00	0.75	0.15	13.50		
			2	18.00	0.75	0.15	4.05		
			2	20.00	0.75	0.15	4.50		
			2	18.00	0.75	0.15	4.05		
	beyond BBMP office yelahanka new town (inbetween 6B main and 7B main road Basavalingappa park)		1	235.00	0.75	0.15	26.44		
			1	50.00	0.75	0.15	5.63		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							58.16	**5348.76**	**311097.00**
	Basic Rate	5046.00							311083
	Area Weightage @ 6%	302.76							
	Total	**5348.76**							
5	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Sqm							
	for CLF at Judicial layout near Ambra palic Clinic		2	60.00	0.60	0.60	43.20		
			2	18.00	0.60	0.60	12.96		
			2	20.00	0.60	0.60	14.40		
			2	18.00	0.60	0.60	12.96		
	beyond BBMP office yelahanka new town (inbetween 6B main and 7B main road Basavalingappa park)		1	235.00	0.75	0.60	105.75		
			1	50.00	0.75	0.60	22.50		
	Basement								
	for CLF at Judicial layout near Ambra palic Clinic		2	60.00	0.45	0.40	21.60		
			2	18.00	0.45	0.40	6.48		
			2	20.00	0.45	0.40	7.20		
			2	18.00	0.45	0.40	6.48		
	beyond BBMP office yelahanka new town (inbetween 6B main and 7B main road Basavalingappa park)		1	235.00	0.60	0.40	56.40		
			1	50.00	0.60	0.40	12.00		
							321.93	4438.22	**1428796.00**
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc**, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	**Cum**							
	for CLF coping concrete								
	for CLF at Judicial layout near Ambra palic Clinic		2	60.00	0.45	0.10	5.40		
			2	18.00	0.45	0.10	1.62		
			2	20.00	0.45	0.10	1.80		
			2	18.00	0.45	0.10	1.62		
	beyond BBMP office yelahanka new town (inbetween 6B main and 7B main road Basavalingappa park)		1	235.00	0.45	0.10	10.58		
			1	50.00	0.45	0.10	2.25		148268.52
							23.27	**6371.66**	**148237.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
7	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1)	Sqm							
	for CLF at Judicial layout near Ambra palic Clinic	2x2	4	60.00		0.40	96.00		
		2x2	4	18.00		0.40	28.80		
		2x2	4	20.00		0.40	32.00		
		2x2	4	18.00		0.40	28.80		
	beyond BBMP office yelahanka new town (inbetween 6B main and 7B main road Basavalingappa park)	1x2	2	235.00		0.40	188.00		
		1x2	2	50.00		0.40	40.00		
							413.60	102.82	**42526.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							

S No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**102.82**							
8	Supplying and fixing **M.S Rectangular poles** made out of 2 equal angles of 65x65x6 mm welded together and fixed in cc1;2;4 with 2 nos16 mm dia M,S Hold fasts rods of each length 25 cms, including cost of all materials, cutting,bending scaffolding where ever necessary,nice finishing the welded joints with all lead and as per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting(excluding the cost of earth work and concrete) (Page No. 255/ Item No. 37.2)	Mtrs							
	for CLF at Judicial layout near Ambra palic Clinic		2	31.00		2.50	155.00		
			2	11.00		2.50	55.00		
			2	14.00		2.50	70.00		
			2	11.00		2.50	55.00		
							335.00	868.14	**290827.00**
	Basic Rate	819.00							290826
	Area Weightage @ 6%	49.14							
	Total	**868.14**							
9	Providing and fixing **M.S Block pipe of 38 mm dia,** of heavy guage of 14 including the removing the bends,cutting the pipe and fixing the pipe inbetween the two verticle polesM.S Rectangular pole and spot welding the chain linking with M.S Blockpipe including cost of all materials,wastage in cutting and scaffolding where ever necessary with all lead and liftas per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting (Page No. 255/ Item No. 37.4)	Mtrs							
	for CLF at Judicial layout near Ambra palic Clinic	2x2	4	60.00			240.00		
		2x2	4	18.00			72.00		
		2x2	4	20.00			80.00		
		2x2	4	18.00			72.00		
							464.00	343.44	**159356.00**
	Basic Rate	324.00							
	Area Weightage @ 6%	19.44							
	Total	**343.44**							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Providing **chain link fencing 50** mmsize of 8 guage properly stretched bet ween the rectangular poles and fixed with suitable bolts and nuts ,the free ends shall be welded to the pole and block pipe at top and bottom as required , including cost of all materials, labour lead and,liftj and as per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting (Page No. 255/ Item No. 37.3)	sqm							
	for CLF at Judicial layout near Ambra palic Clinic		2	60.00		1.80	216.00		
			2	18.00		1.80	64.80		
			2	20.00		1.80	72.00		
			2	18.00		1.80	64.80		
							417.60	698.54	**291710.00**
	Basic Rate	659.00							
	Area Weightage @ 6%	39.54							
	Total	**698.54**							
11	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)	**sqm**							
			1	235.00	2.50		587.50		
			1	50.00	2.50		125.00		
							712.50	**9144.00**	**6515100.00**
	data rate	9144.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate	Nos							
			3	3.00		3.20	28.80		
							28.80	12475.00	**359280.00**
	Data rate	12475.00							
	Total	**12475.00**							
13	RCC Precast covering slab for drain (10cm thick)	**sqm**							
14	missing covering slab for existing drains		1	77.00	0.90		69.30		
							69.30	**2100.00**	**145530.00**
	Rate Approved by BBMP	**2100.00**							
									2790
15	Miscellaneous charges								2813.00
								Total	**10000000.00**

(Rupees One Crore Only)

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2016-17
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Ramarajeeva/AE2
Assistant Engineer

Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Approval
Accorded For .....
Head of A/C.....
CER NO :..... Dt:..

Technical Sanction
Accorded For ...100.00 lakh Rs.
Head of A/C....P3173
CER NO :....414 Dt:.. 28/11/17.

TA | CE (YNK)